

## Sektion 2

### Algebraische Geometrie und Komplexe Analysis

Peter Heinzner (Bochum), Stefan Kebekus (Freiburg)

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**Montag, 19. September****Seminargebäude, S14**

14:00 Christian Liedtke (Stanford Düsseldorf)  
*Rational curves on K3 surfaces*

15:00 Daniel Lohmann (Freiburg)  
*Families of canonically polarized manifolds over log Fano varieties*

**16:00h – 16:30h Pause**

16:30 Hiro-o Tokunaga (Tokio)  
*Splitting curves for double covers and the topology of the complements of certain curves on rational ruled surfaces*

17:30 Frank Kutzschebauch (Bern)  
*A solution to the Gromov-Vaserstein problem*

**Dienstag, 20. September****Seminargebäude, S14**

14:00 Thomas Peternell (Bayreuth)  
*Untermannigfaltigkeiten mit positivem Normalenbündel – eine Vermutung von Hartshorne*

15:00 Stefan Müller-Stach (Mainz)  
*Abelsche Varietäten und Thetafunktionen auf kompakten Riemannschen Mannigfaltigkeiten*

**16:00h – 16:30h Pause**

16:30 Christian Böhning (Göttingen)  
*Rationality properties of linear group quotients*

17:30 Christian Miebach (Calais)  
*Quotients of bounded domains of holomorphy by proper actions of ?*

**Mittwoch, 21. September****Seminargebäude, S14**

14:00 Alex Küronya (Freiburg)  
*Arithmetic properties of volumes of divisors*

15:00 Martin Möller (Frankfurt)  
*Curves in the moduli space of curves: Slopes and Lyapunov exponents*

**16:00h – 16:30h Pause**

16:30 Hannah Markwig (Saarbrücken)  
*What corresponds to Broccoli in the real world?*

17:30 Stefan Nemirovski (Bochum)  
*Levi problem and semistable quotients*

**Donnerstag, 22. September      Seminargebäude, S14**

14:00 Sönke Rollenske (Mainz)  
*Lagrangian fibrations on hyperkähler manifolds*

15:00 Daniel Greb (Freiburg)  
*Lagrangian fibrations on hyperkähler fourfolds*

**16:00h – 16:30h Pause**

16:30 Daniel Huybrechts (Bonn)  
*t.b.a.*

17:30 George Marinescu (Köln)  
*Equidistribution of zeros of holomorphic sections of high tensor powers of line bundles*